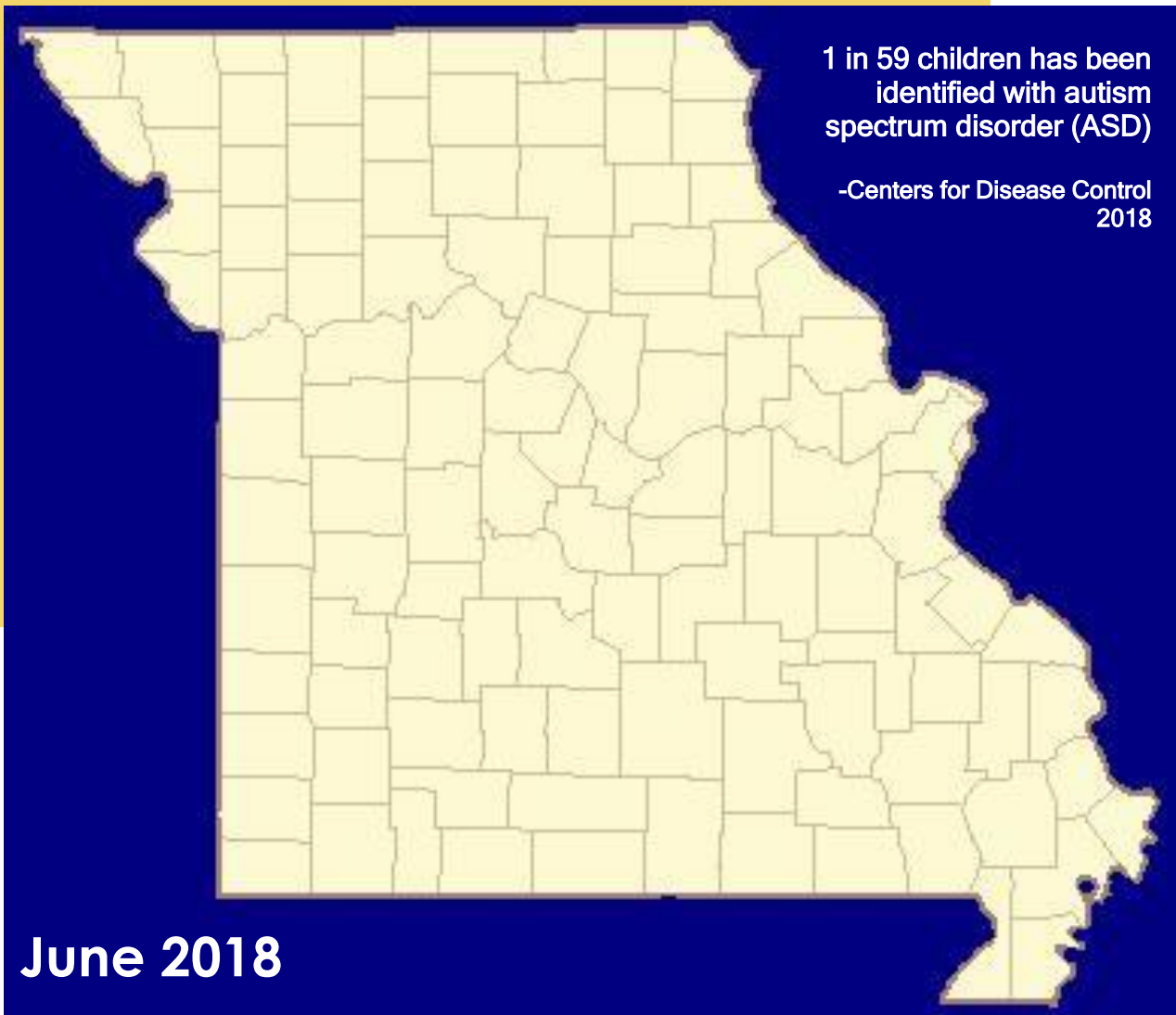


AUTISM PROGRAM & RESOURCE ANALYSIS 2.1



The Office of Autism Services was established in 2008 (633.225 RSMo) to provide leadership in program development for children and adults with autism spectrum disorders, to include establishment of program standards and coordination of program capacity.

Office of Autism Services, Division of Developmental Disabilities, Department of Mental Health

Email:

Kit.Glover@dmh.mo.gov

Tel: 573-751-4054

Jefferson City, Missouri 65101



Acknowledgments

In January 2018, the Governor's Budget Office requested from the Department of Mental Health, Division of Developmental Disabilities, an analysis of its autism-specific funding and programming with a due date of the beginning of the next fiscal year - July 2018. An initial internal meeting resulted in consensus that an ad hoc committee be formed to include representation from contracted providers to lend perspective to the analysis. Committee members were:

Becky Blackwell, MA
President & CEO, Judevine Center for Autism

Leah Clausen
Chair, Eastern MO Autism Project Parent Advisory Council

Rosemary Feraldi
Secretary, Central MO Autism Project Parent Advisory Council

Susan Henderson, MS
Director, Burrell Autism Center

Steve Kanne, PhD
Executive Director, Thompson Center for Autism and Neurodevelopmental Disorders

Jeanne Marshall, MA
Executive Vice-President of Services and Chief Program Officer

Vicki Mieseler, MS
Chief Administrative Officer, Ozark Center

Valerie Huhn
Director, Division of Developmental Disabilities

Lisa Williamson
Assistant Director, Western Region, Division of Developmental Disabilities

Julia LePage
Director, Community Supports Unit, Division of Developmental Disabilities

Kit Glover
Director, Office of Autism Services, Division of Developmental Disabilities

Linda Miller
Coordinator, Office of Autism Services, Division of Developmental Disabilities

Katherine Pigg
Project Specialist, Office of Autism Services, Division of Developmental Disabilities

The Office of Autism Services (OAS) researched contracts, program operations, and data reports and composed two report drafts prior to this final draft. OAS wishes to acknowledge the assistance of the committee in the development of the report.

Autism Program & Resource Analysis 2.1

Introduction

Autism spectrum disorder (ASD) is a complex developmental disorder that can cause problems with thinking, feeling, language, and the ability to relate to others. It is a neurological disorder, which means it affects the functioning of the brain. The effects of autism and the severity of symptoms are different in each person.

Autism is frequently cited as the fastest growing developmental disability in the United States. According to the Centers for Disease Control (CDC) and Prevention's Autism and Developmental Disabilities Monitoring (ADDM) Network, the prevalence rate of ASD has risen from 1 in 150 (2000) to 1 in 59 (2018). Experts in the field offer many theories on the rise in the prevalence rate, but the reality is that many of those children diagnosed with ASD enter any number of the state's service systems, one of which is the Division of Developmental Disabilities (DD). Furthermore, many of those children will be eligible to receive services through one of DD's four Home and Community Based Medicaid Waivers. Missouri is fortunate, if not unique, in that it has dedicated general revenue funding - untethered to federal dollars - to support both diagnostic and service provision for individuals with ASD and their families. The purpose of this report is to provide a meta-analysis of autism-specific funding within the Division of DD, identify strengths and challenges of the data captured, and provide recommendations for strengthening the service system.

Prevalence rates notwithstanding, at the end of December 2017, there were 13,720 (37%) individuals with ASD enrolled with DD out of a total population of 37,067. When broken out by age group, there were 6,873 individuals with ASD, aged 4-17, out of a total population of that age group of 10,852. That percentage - 63% - represents the significant number of children who will become adults and who will likely rely on state service systems to some degree throughout their lives. It is incumbent upon the state to both promote emerging best practice and taxpayer accountability in order to advance the system of care for individuals with ASD and their families.

Finalization of 2.1 Report

Final report writing continued the tenets of the following:

- Conducting a meta-analysis on existing data sets, and
- Incorporating both quantitative and qualitative data analytics to contracts to inform final recommendations (How Many? How Much? How Long? Who Benefits?)
- Identifying collateral benefits of state assistance (Benefitting Beyond...)

Organization of data elements for the second draft follow those established in the original document as shown below.

CONTRACT TYPE	FUNDING
Diagnostic Contracts	\$ 4,154,467
Autism Project Funding/Contracts	8,750,648
Other Contracts	1,510,015
Total	14,415,130



Diagnostic: How Many?
How Much?
How Long?
Who Benefits?



Autism Projects: How Many?
How Much?
How Long?
Who Benefits?



Other: How Many?
How Much?
How Long?
Who Benefits?

2.1 At-A-Glance

Final edits included (1) reformatting tables into charts and (2) providing Autism Project census data for FY18 Q1-Q2 by county. Feedback was given by the ad hoc committee and incorporated where practicable. An appendix was added where the tables featured in the 2.0 version were placed. Providers not included in the final report are noted in the appendix as well.

Content Highlights

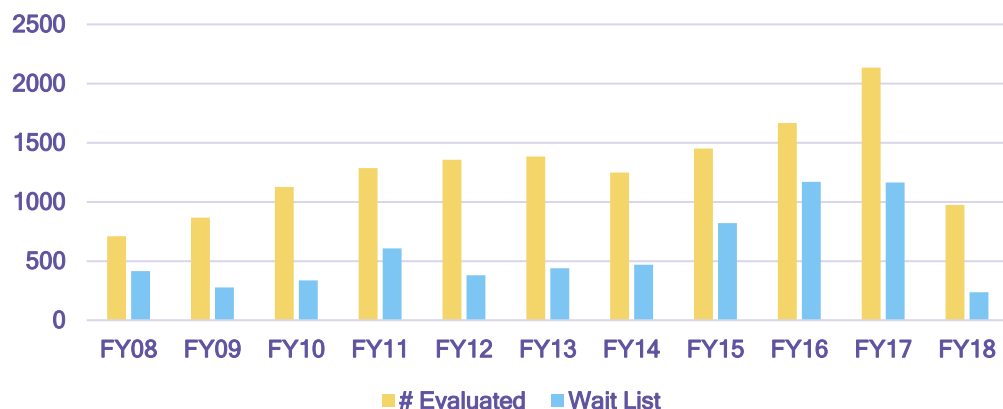
In this version, the Office of Autism Services (OAS) responded to a request that inception data be collated to show impact over time. With that in mind, OAS computed totals for children evaluated at the diagnostic centers based on quarterly reports submitted since 2008. For providers of services for the Autism Projects, numbers are provided that reflect the total number of individuals served since they were integrated into the division's CIMOR database. For the *other* contract providers, numbers since inception were requested and, if present, obtained.

DIAGNOSTIC CONTRACTS



Missouri Autism Centers – \$4,913,779

MO Autism Centers
Number Evaluated & Number Waiting
Inception - FY18 Q1-Q2

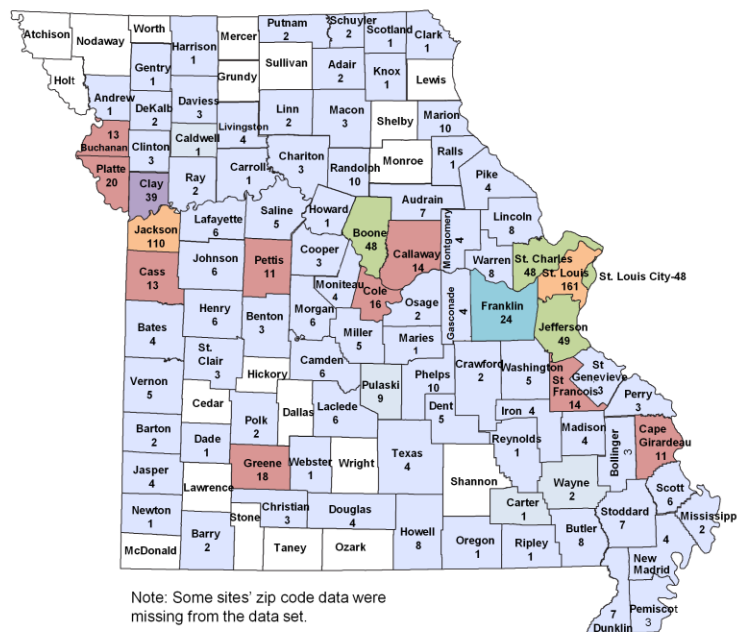


**How Many?
How Long?**
14,207 children have been evaluated for autism spectrum disorder since flagship sites were established in 2008.

Who Benefits?
Children seen represent both rural and urban areas of the state. 83% of Missouri counties had children evaluated by Autism Centers through December 2017. A new reporting tool, adopted in FY18, enables county-specific analysis.

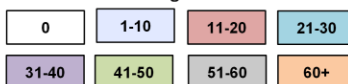
Analyzing where people live supports a clearer understanding of unserved & underserved populations.

Missouri Autism Centers
ASD Evaluations by County
FY18 Q1-Q2



Note: Some sites' zip code data were missing from the data set.

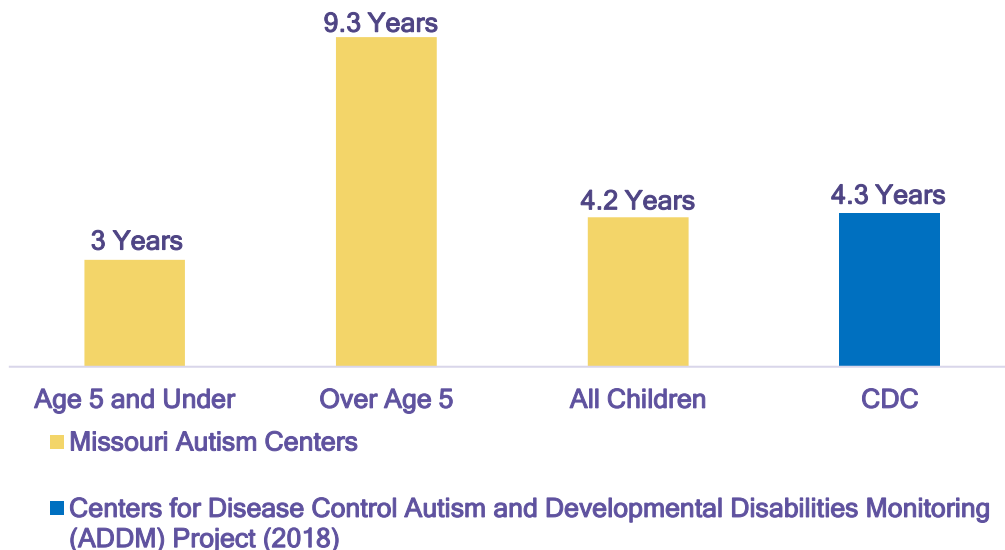
Legend



Missouri Autism Centers



Median Age of Children Receiving ASD Diagnosis
FY18 Q1-Q2



Who Benefits?

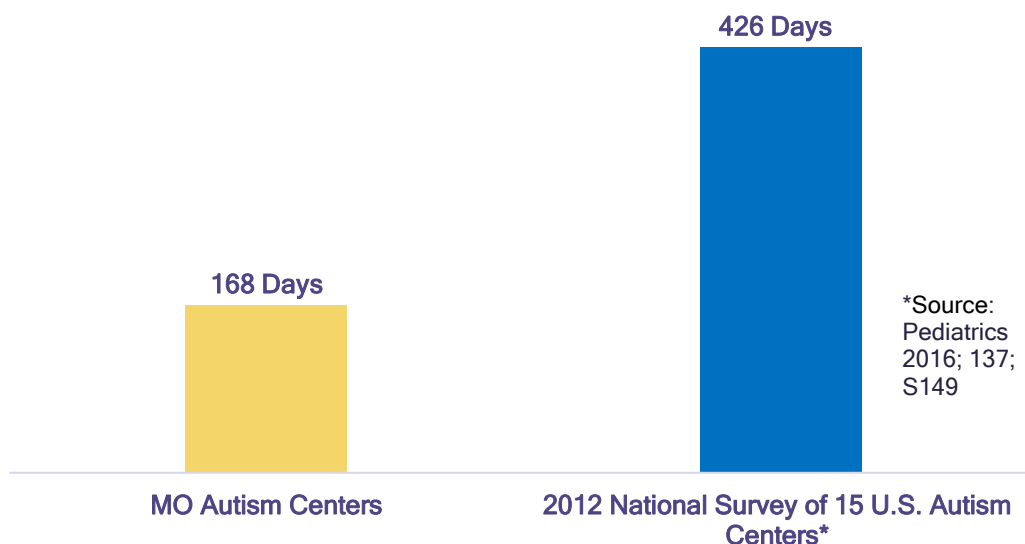
Missouri's median age at diagnosis for both the five and under population and the overall population compares very favorably with the national median age at diagnosis. Earlier diagnosis leads to earlier intervention, a nationally recognized goal for better outcomes.

How Many?

How Long?

Through December 2017, 511 children of all ages received ASD evaluations at MO's Autism Centers. Vigilantly monitoring wait times keeps the need for effective triage at the forefront of clinic operations.

Missouri Autism Centers vs. 2012 National Survey
Median # Days Between *Eligibility and Appointment
FY18 Q1-Q2



*Source: Pediatrics 2016; 137; S149

*Eligibility is defined as the date necessary paperwork is submitted on a referral.

Missouri Autism Centers



Who Benefits?

- Children benefit from receiving best-practice diagnostic evaluations based on the Missouri Autism Guidelines Initiative (MAGI), a best-practice guideline used both nationally and internationally.
- All children, both those diagnosed with ASD and those not, are referred to appropriate intervention services, including:
 - First Steps or Early Childhood Special Education
 - DD Regional Offices
 - Specialty clinics
 - Bureau of Special Health Care Needs
 - MO HealthNet
- The public trust is elevated by endorsing and subscribing to consistent diagnostic principles and practices throughout the state.

Benefitting Beyond...

- **2018 Unsung Hero Award** from Head Start was awarded to Renee' Patrick, clinical psychologist with Southeast Missouri State University (SEMO) Autism Center, for providing services above and beyond to assist at risk children.
- Missouri is one of six states to receive Centers for Disease Control's **Study to Explore Early Development Grant**; awarded to three MO Autism Centers - Washington University, Thompson Center, Children's Mercy. Cy Nadler, clinical psychologist with Children's Mercy, said the grant application was "strengthened by the demonstrated clinical excellence and cooperation" within the Autism Center network.
- **Autism Center Consortium** has received national attention - likely the only such model in the country.

"...CDC...grant application [was] strengthened by the demonstrated clinical excellence and cooperation..."

A network in which the existing MO Autism Centers serve as hubs and establish or expand close-working relationships with community-based centers and local practitioners based on the tiered diagnostic approach published in the Missouri Guidelines document would improve access to care, reduce diagnostic delays, facilitate dissemination and adoption of best practices, increase clinical efficiencies, and reduce costs by providing care as close to home as possible.

-Healthcare Subcommittee, Show-Me State Plan for Autism Spectrum Disorders, 2011

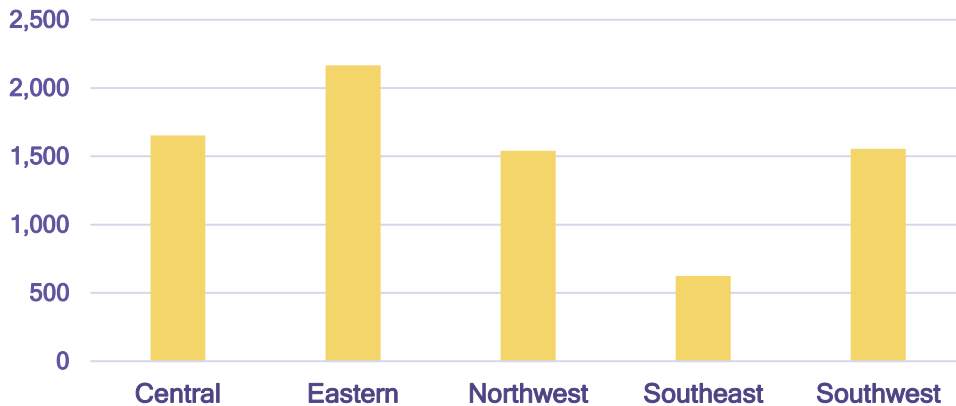
AUTISM PROJECTS



\$8.75 MILLION

Missouri's Autism Projects represent dedicated funding to promote "family support" services and helping relationships for the purpose of maintaining and enhancing family caregiving."

Individuals Accessing Autism Project Services FY11 through FY18 Q1-Q2

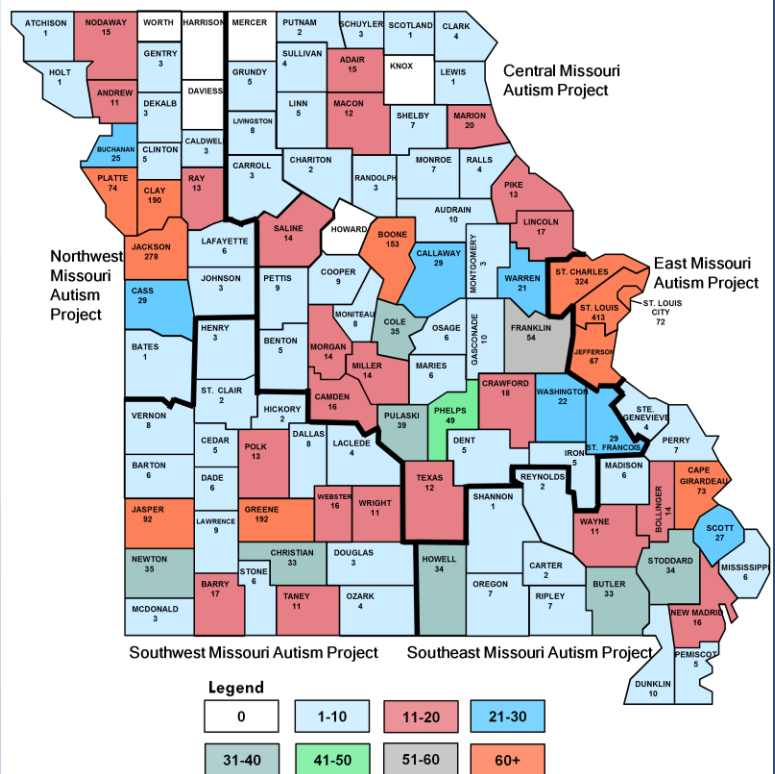


Who Benefits? Since 2010, 6,998 individuals have accessed services funded through the Autism Projects at an approximate annual average cost of **\$7,114** per person, less than the most recent data (FY17) on the average cost - **\$12,133** - of providing in-home supports.

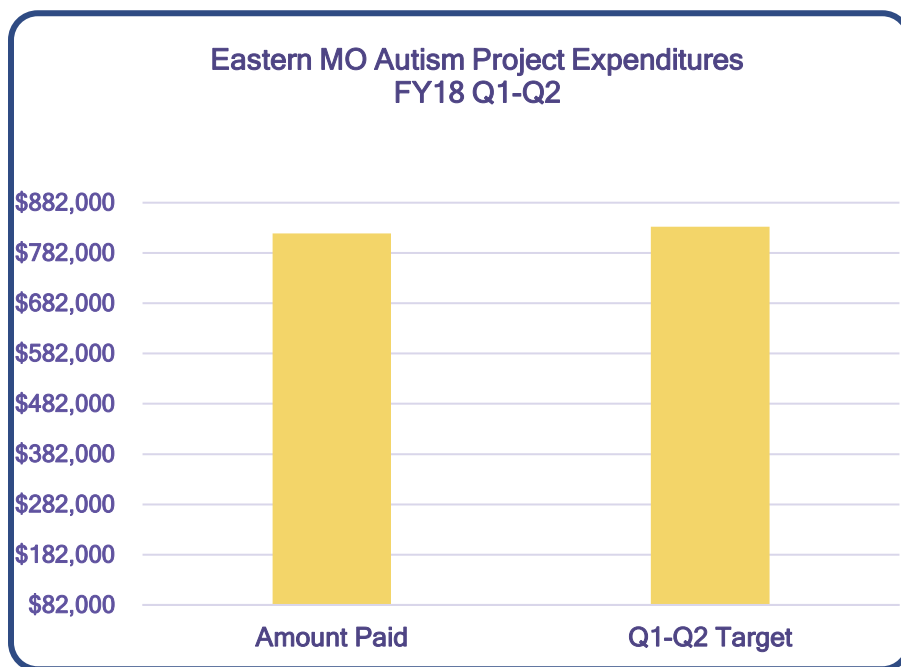
How many? How Much? Through December 2017, **3,056** individuals accessed services funded through MO's Autism Projects at an average cost of **\$1,432** per person. Workshops and community outreach activities endeavor to raise awareness and encourage inclusion within communities.

Missouri's Autism Projects continue to serve individuals and families in rural areas with 96% of the counties having residents who accessed services through December 2017.

**Missouri Autism Projects
FY18 Q1-Q2
Services Accessed by County**



Eastern Missouri Autism Project - \$1,668,053

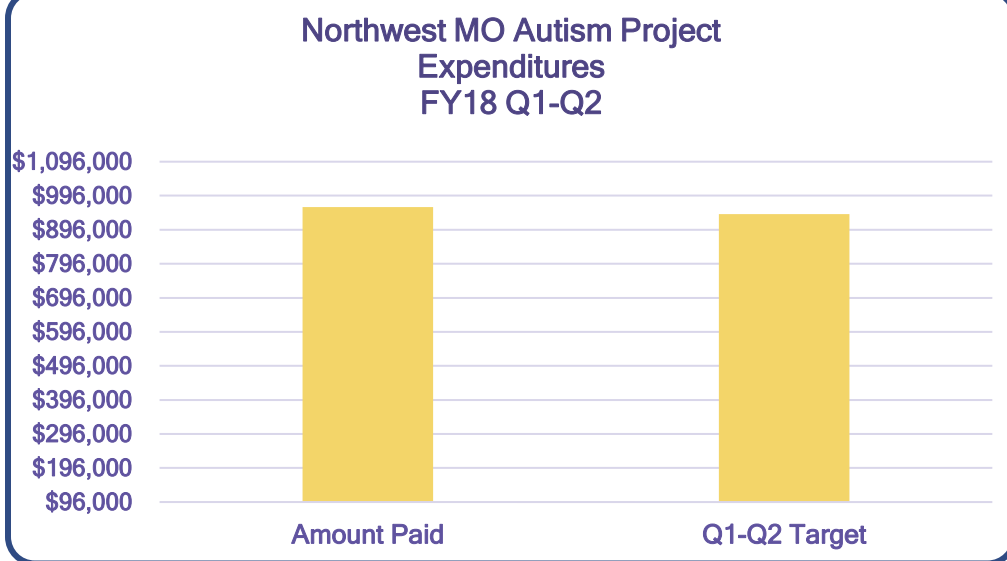
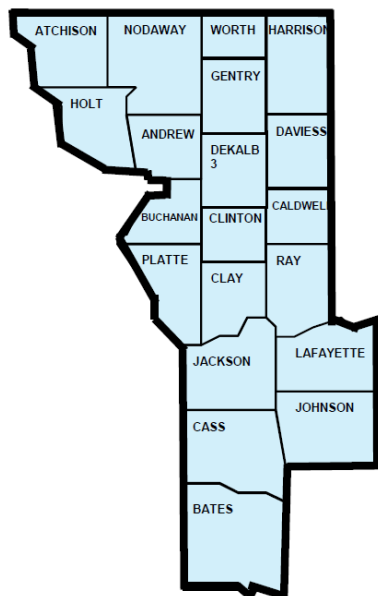


How Many? How Much?

988 individuals accessed services from the Eastern Missouri Autism Project through December 2017 with an average per person expenditure of **\$844**. Whereas ten years ago the wait list was over 500, at the end of 2017, only one person was on the wait list.

Northwest Missouri Autism Project - \$1,884,155

How Many? How Much?
642 individuals accessed services from the Northwest Missouri Autism Project through December 2017 with an average expenditure per person of **\$1,467** and no one on the wait list.

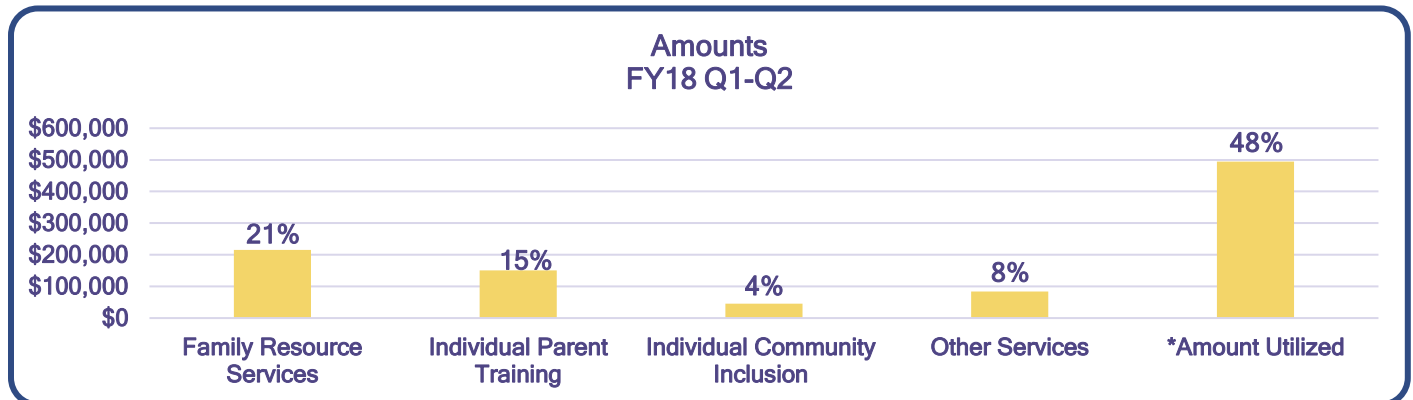


Who Benefits? The service model of the Eastern MO Autism Project and the Northwest MO Autism Project has its foundation in choice. Individuals and families may choose the service(s) identified in the Individual Support Plan that will assist them in remaining integrated within the home and community. Individuals and families enrolled in these regions are eligible to continue receiving funded service(s), which vary as individual needs change.

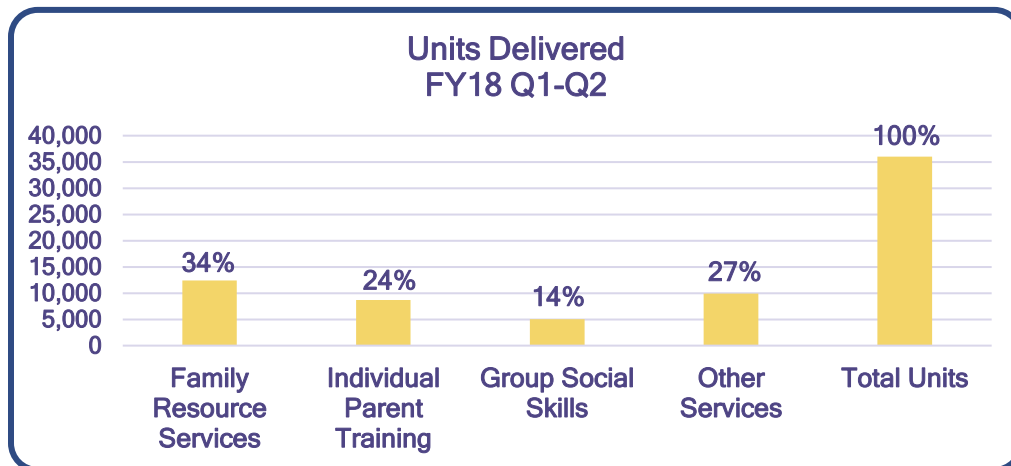
Central Missouri Autism Project - \$2,047,933



FY18 *Easterseals Midwest* Contract \$2,047,933



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in the Customer Information Management, Outcomes & Reporting (CIMOR) database system.

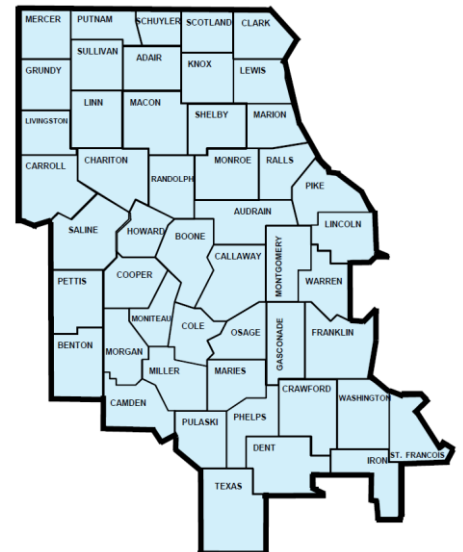
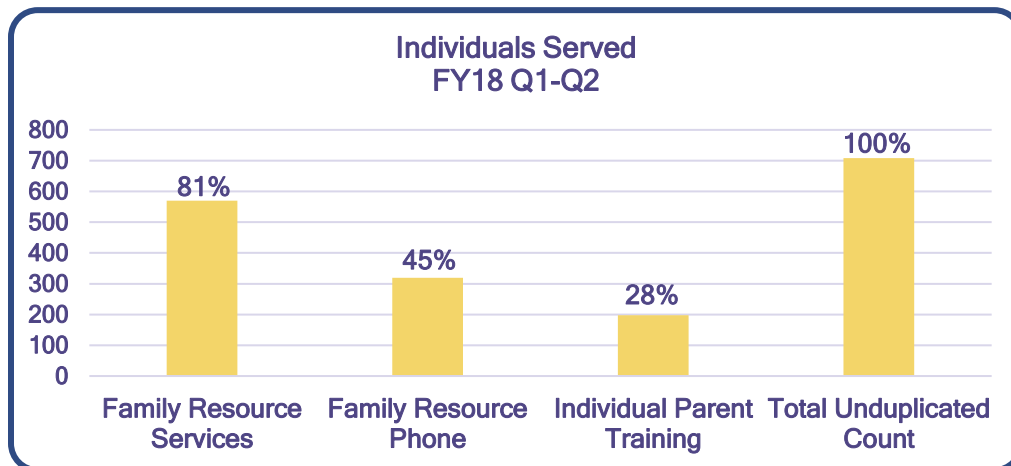


How Much?

Through December 2017, the average expenditure per person was **\$1,446**.

How Many?

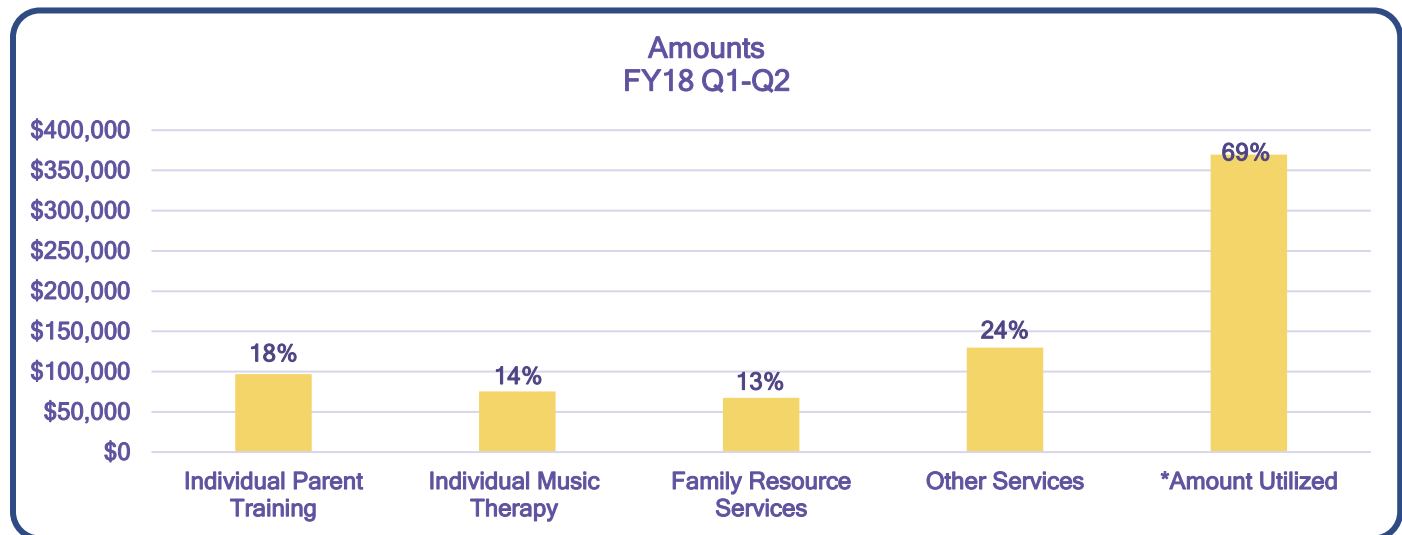
Through December 2017, **36,023** units of service were delivered to **708** individuals and families.



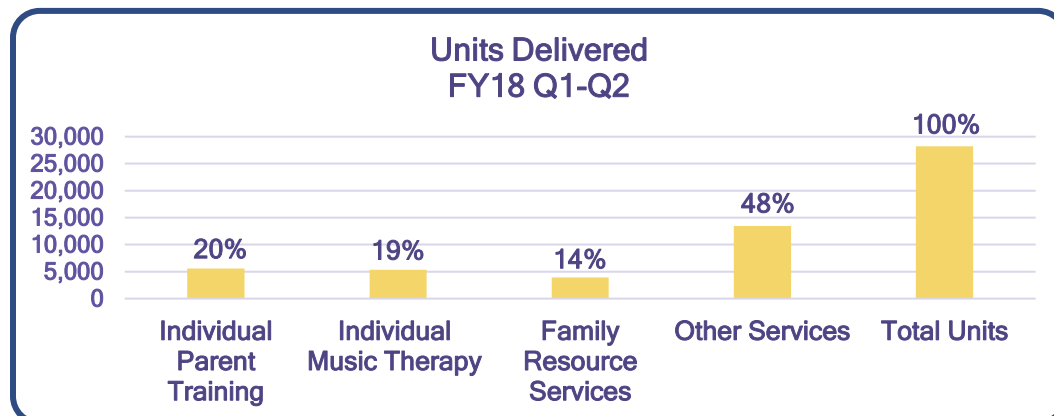
Southeast Missouri Autism Project - \$1,553,988



FY18 Easterseals Midwest Contract \$1,067,328



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

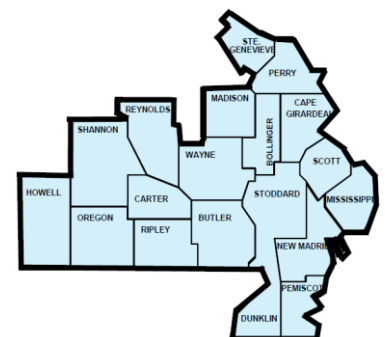
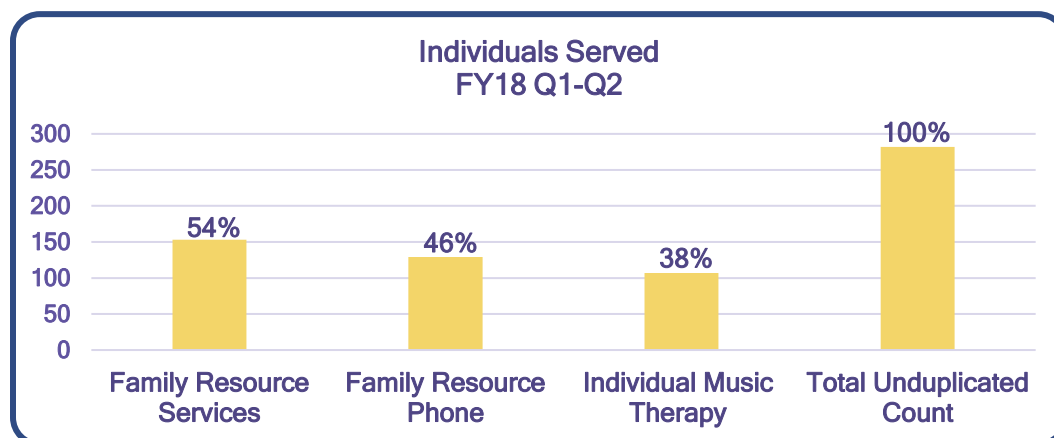


How Much?

Through December 2017, the average expenditure per person was **\$1,892**.

How Many?

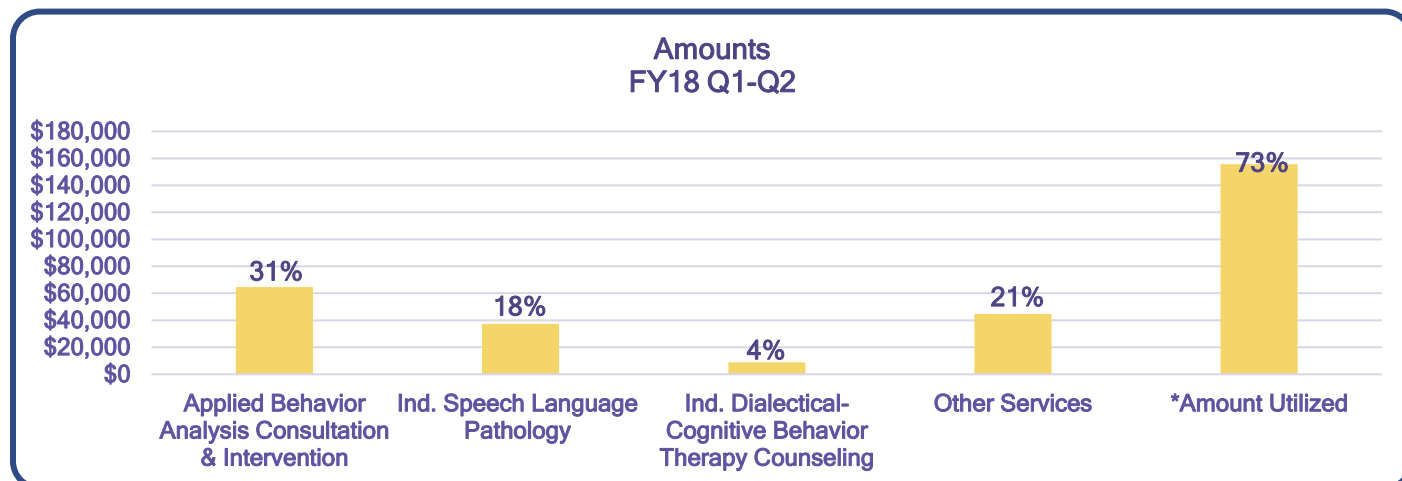
Through December 2017, **28,238** units of service were delivered to **282** individuals and families.



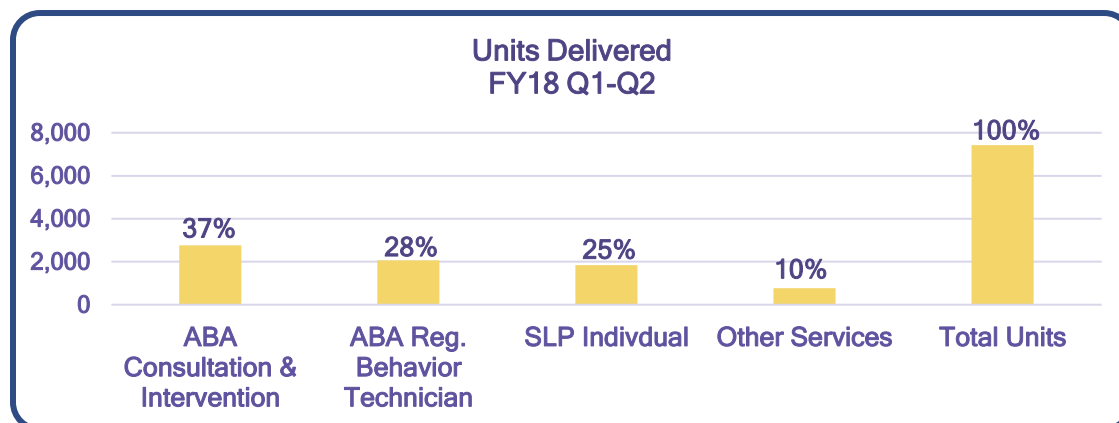
Southeast Missouri Autism Project - \$1,553,988



FY18 *SEMO State University Autism Center* Contract \$423,553



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

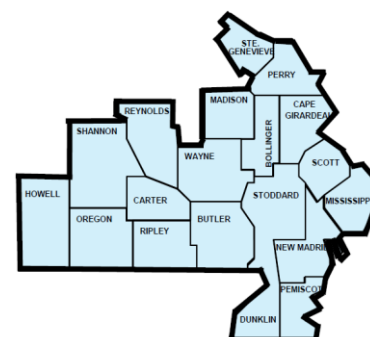
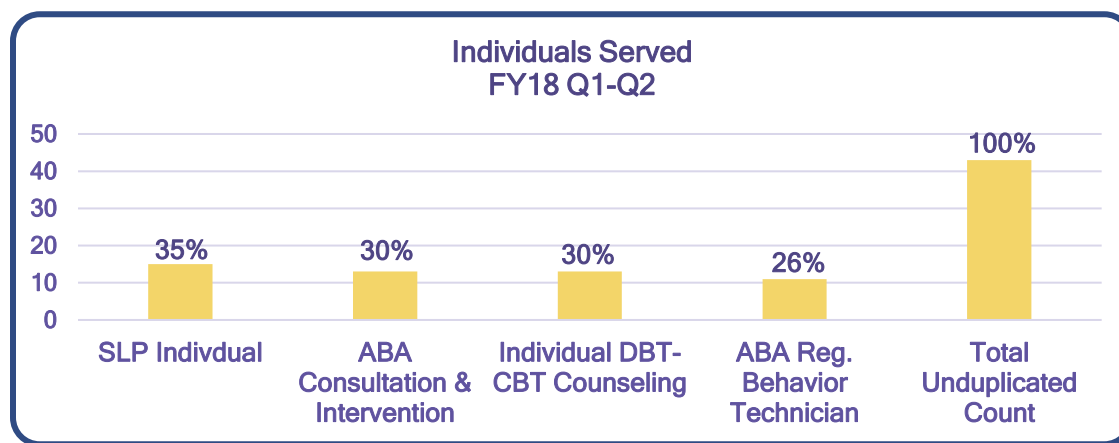


How Much?

Through December 2017, the average expenditure per person was **\$4,925**.

How Many?

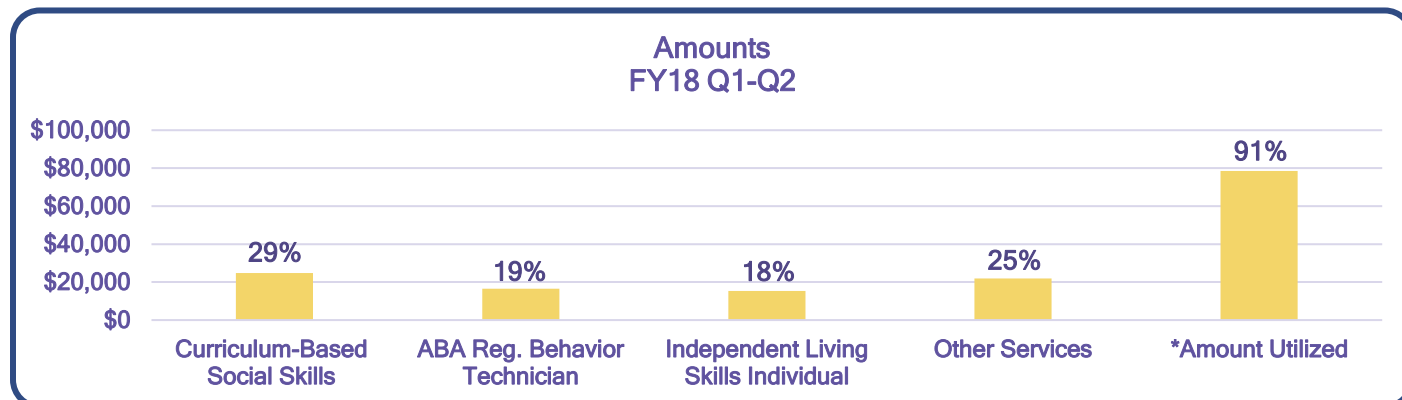
Through December 2017, 7,426 units of service were delivered to **43** individuals and families.



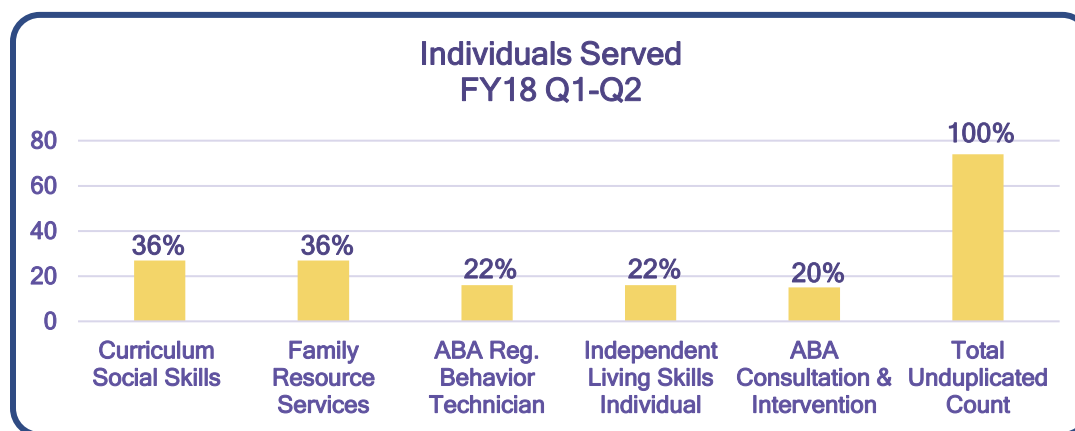
Southwest Missouri Autism Project – \$1,596,519



FY18 **Burrell Autism Center** Contract \$173,267



***Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

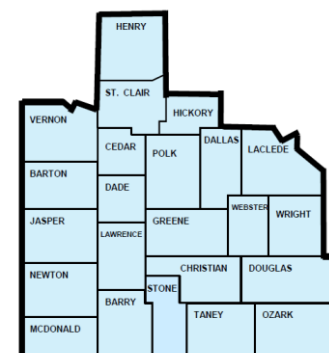
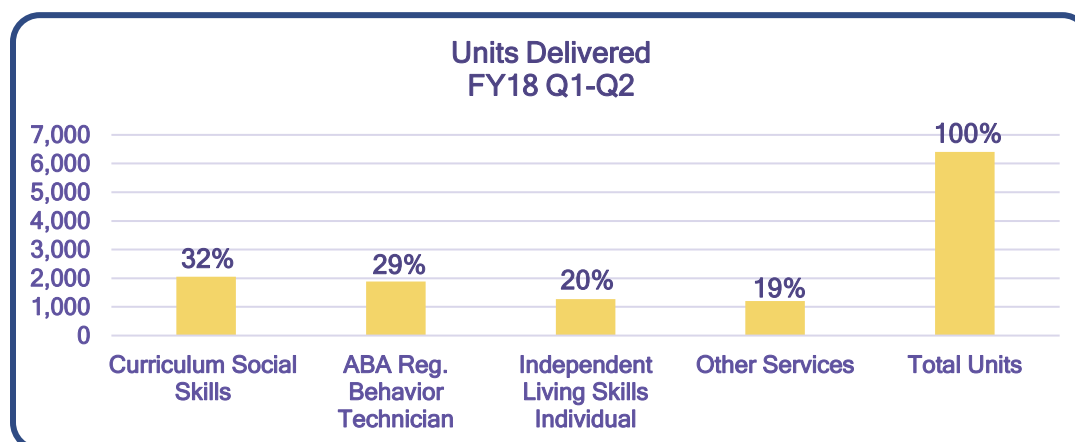


How Much?

Through December 2017, the average expenditure per person was **\$1,171**.

How Many?

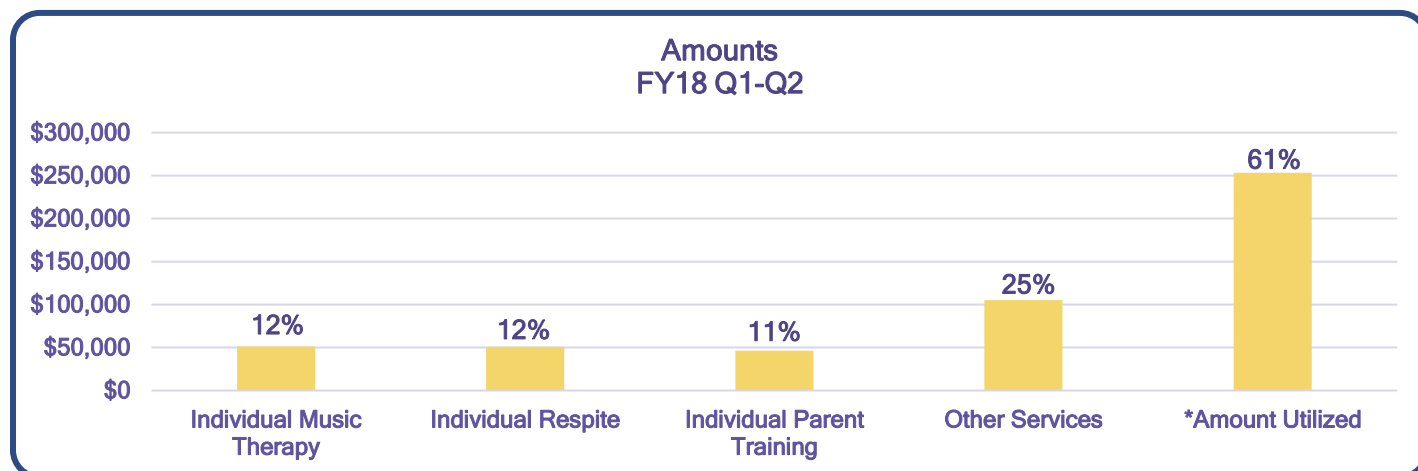
Through December 2017, **6,408** units of service were delivered to **74** individuals and families.



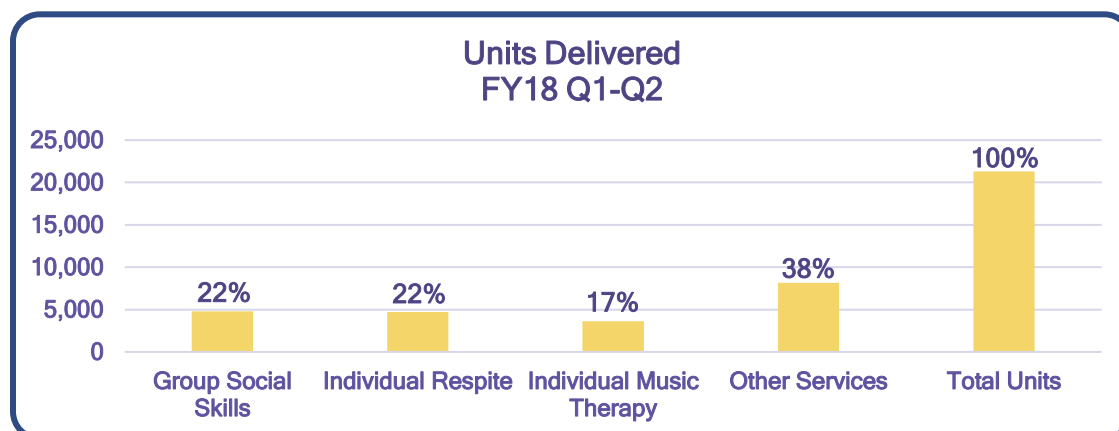
Southwest Missouri Autism Project – \$1,596,519



FY18 *Easterseals Midwest* Contract \$827,214



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

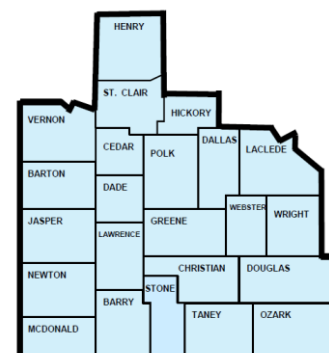
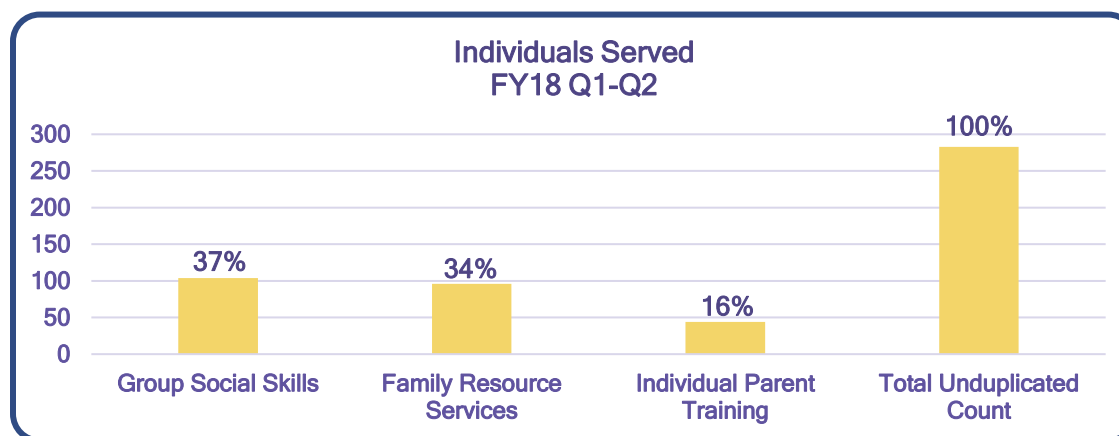


How Much?

Through December 2017, the average expenditure per person was **\$1,461**.

How Many?

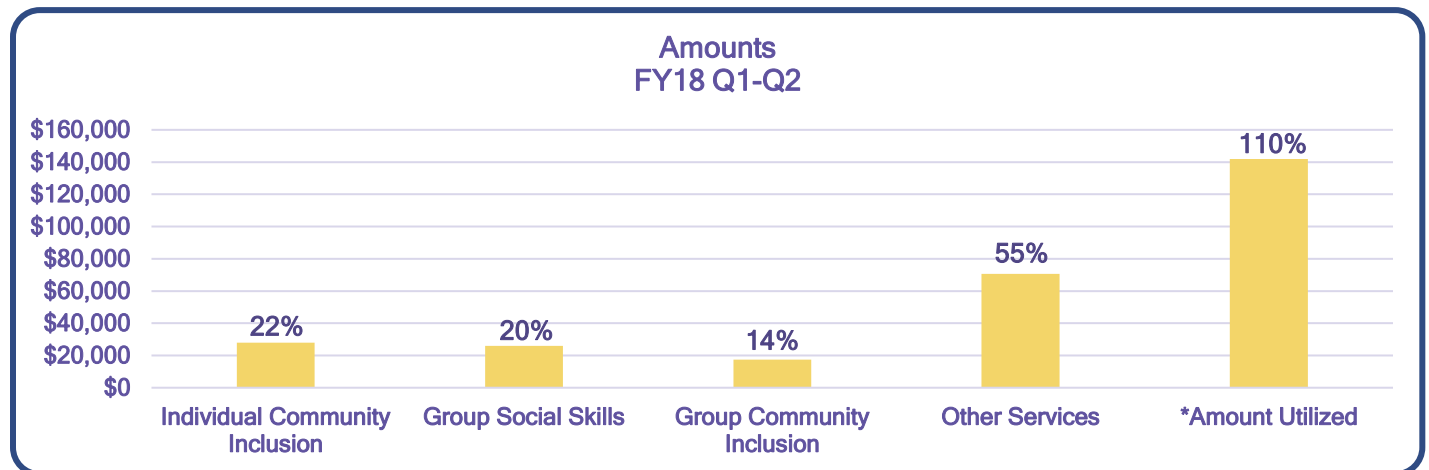
Through December 2017, **21,287** units of service were delivered to **283** individuals and families.



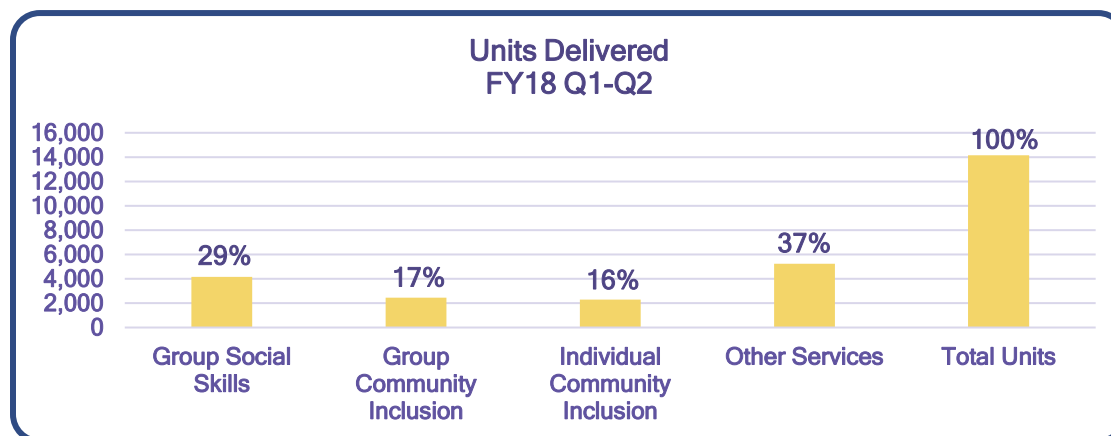
Southwest Missouri Autism Project – \$1,596,519



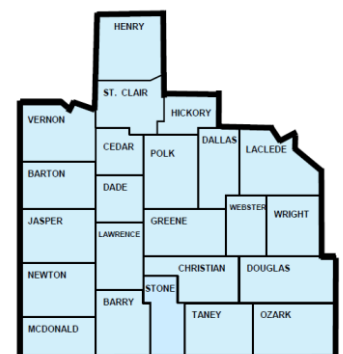
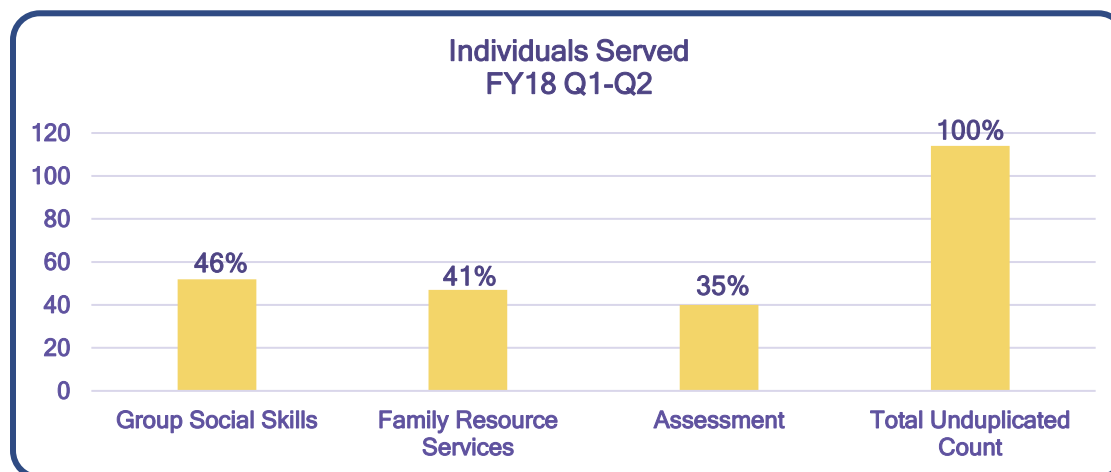
FY18 Judevine Center for Autism Contract \$257,071



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.



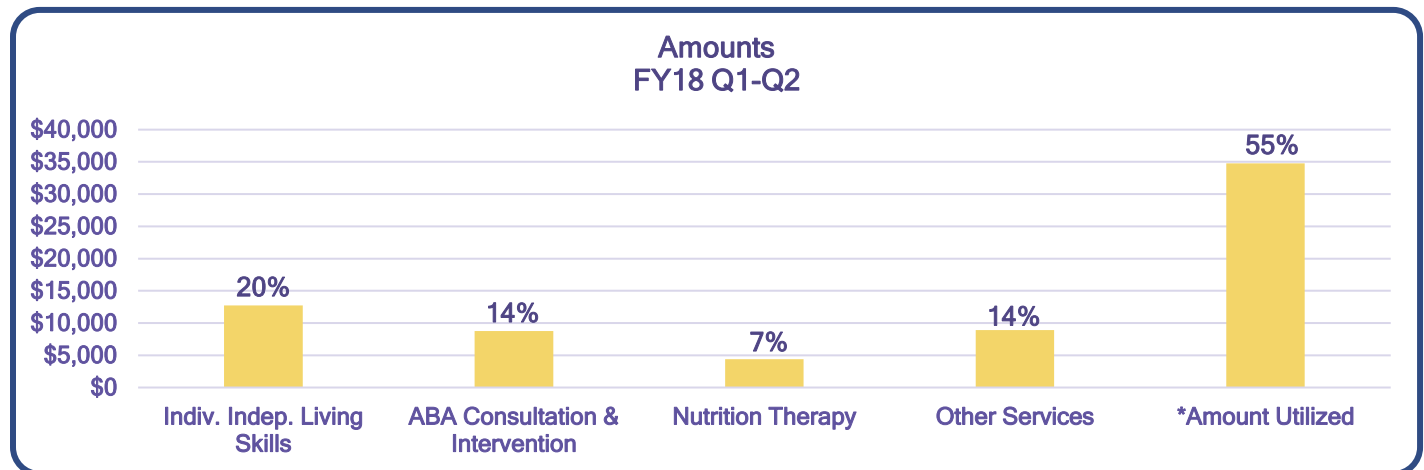
How Much?
Through December 2017, the average expenditure per person was **\$1,128**.
How Many?
Through December 2017, **14,152** units of service were delivered to **114** individuals and families.



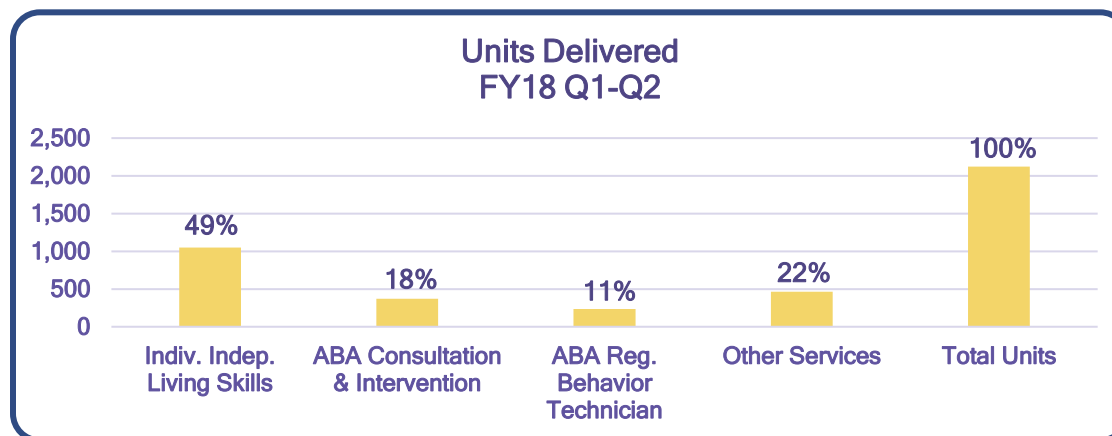
Southwest Missouri Autism Project – \$1,596,519



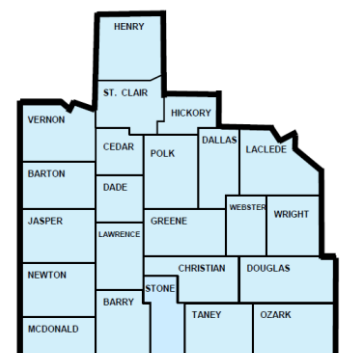
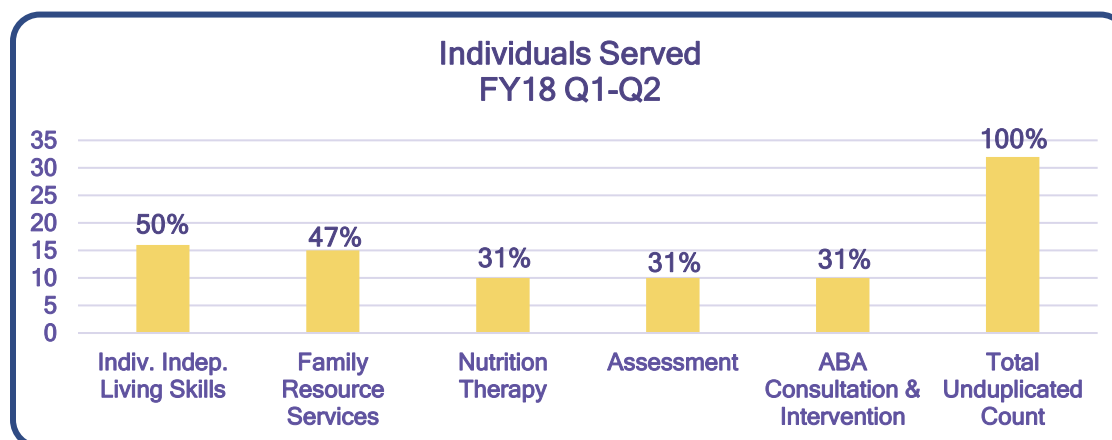
FY18 *Leffen Center for Autism* Contract \$125,405



**Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.



How Much?
Through December 2017, the average expenditure per person was **\$1,959**.
How Many?
Through December 2017, **2,123** units of service were delivered to **32** individuals and families.



Autism Projects



Who Benefits?

- Originally targeted for rural areas, Autism Project services now provide crucial services to individuals with ASD and their families in both **rural** and **metropolitan** regions in Missouri.
- Families whose children touch more than one service system, e.g., First Steps, MO HealthNet, Children's Division, etc. benefit from Autism Project service providers' knowledge of other state service models as they often contract to provide those services, lending **continuity of care** from one system to another.
- **Innovative** and **emerging best practice** interventions are often first introduced as Autism Project services, e.g. applied behavior analysis, **Telehealth** behavior services, evidence-based social skills programming such as Program for Education and Enrichment of Relational Skills (**PEERS**), etc.
- Individuals with ASD and their families have benefitted from increased clinical services provided from such professionals as **occupational therapists** and **Board Certified Behavior Analysts**.

Benefitting Beyond...

- Autism-specific training beyond the required minimum of direct support professionals affords a better-equipped workforce for the entire population served by the Division of Developmental Disabilities.
- Providers of Autism Project services have been invited to consult internationally on the topic of providing supports to individuals with ASD.
- Autism Project service providers have lent invaluable expertise to Missouri's seminal best-practice publications *Autism Spectrum Disorders: Missouri Best Practice Guideline for Screening, Diagnosis, and Assessment* and *Autism Spectrum Disorders: Guide to Evidence-based Interventions*.
- Autism Project funding has stimulated competition among service providers, resulting in **more services** and **greater access**.
- Autism Project funding supports **practicum** experiences for pre-professionals thereby increasing capacity in behavioral services.

1996 Council of State Government's State Innovations Briefs: New and Best Practices in State Government, "Missouri's Autism Projects: Central, Southeast, Southwest, Northwest." Members of the Missouri General Assembly have said the project is one of the department's best and most cost-effective programs. The Autism Project is able to provide a variety of services for those with autism at a fraction of the cost of other programs. Providing services to individuals in a community-based setting costs the state roughly \$3,600 per year, compared to \$30,000 to \$90,000 for services rendered in an institutional setting.

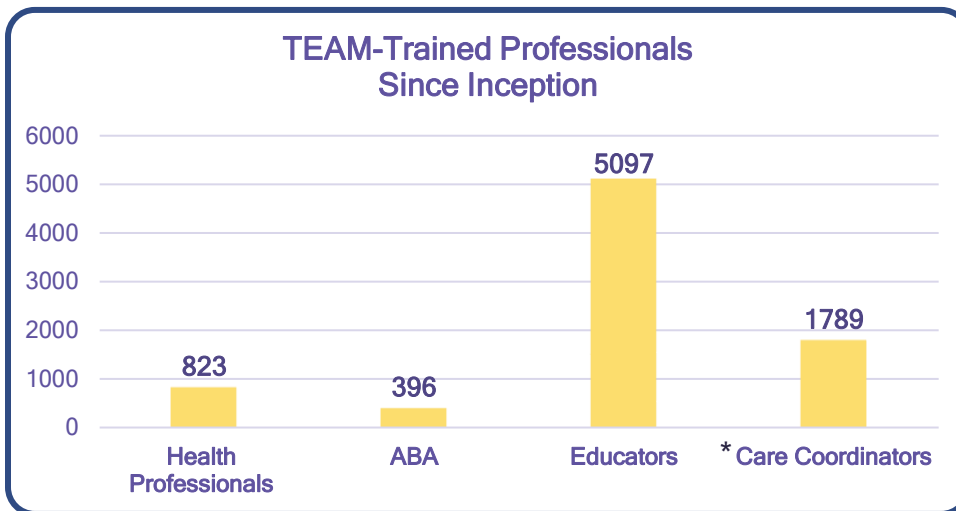
By today's standards (FY17), the average cost of supporting an individual in an institution is \$258,573, the average cost of supporting an individual in a residential setting is \$102,072, and the average cost of supporting an individual in his/her home is \$12,133.

OTHER CONTRACTS – \$1,510,015



Thompson Center **TEAM** Contract - \$440,505

Funded in FY14, the mission of Training Experts in Autism in Missouri (TEAM) is “to increase expertise on autism spectrum disorder and to advance the knowledge and implementation of current empirically supported practices through focused training and ongoing support.”

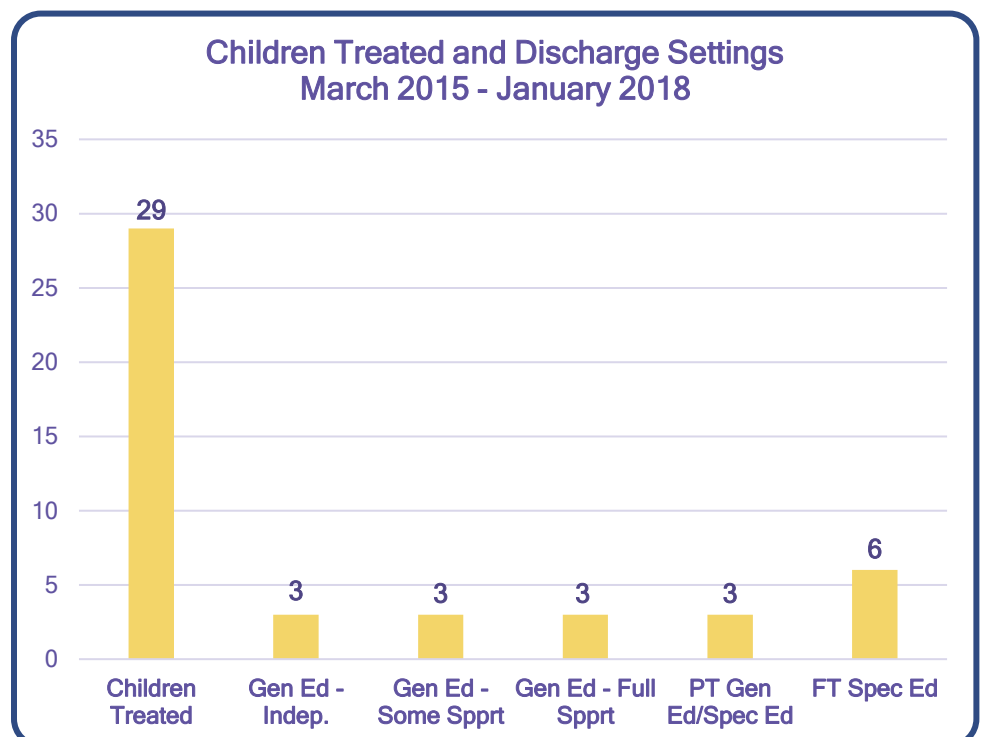


How Many? How Much? 8,105 professionals have been trained through the TEAM initiative since its inception in 2013. The average per person cost is \$271. **Who Benefits?** Individuals with ASD and their families as well as the institutional systems benefit.

*Care Coordinator: Specialists who provide case management and systems navigation to support individuals with autism and their families, commonly providing services to vocational rehabilitation counselors, employment specialists, first responders, and day care providers not associated with a school district.

Leffen Center **ABA Day Service** Contract - \$650,702

How Many? How Much?
The Leffen Center ABA Day Service contract, funded in 2008, provides applied behavior analysis to up to 11 children for an average length of 29 months by an interdisciplinary team of licensed professionals. Programming includes up to 2 weeks of overlap services to ensure positive transition to preschool or school. Autism Speaks' research has set the lifetime costs of autism to be as high as \$2.3 million per person.



GAPS & RECOMMENDATIONS

Diagnostic Contract Recommendations:

- Continue network of strong leadership to implement best practice diagnostic standards.
- Analyze data to identify system gaps and means to address them.
- Continue to explore means of reducing wait lists.
- Expand “hub and spoke” healthcare model.

Autism Project Contract Recommendations:

- Further define Family Resource Service e.g., school support, sibling workshops, etc.
- Expand evidence-based services such as curriculum-based social skills, parent training, behavioral services, etc.
- Partner with third party to conduct satisfaction surveys of families receiving Autism Project services.
- Consider developing value-based contracts with defined performance metrics and annual audits.

Identified Gaps:

- Severe Behavior: Individuals experiencing aggressive or self-injurious behavior are at risk of multiple in-patient psychiatric admissions along with loss of residence. Enhanced expertise and intensive, evidence-based interventions are needed to promote better outcomes for this population.
- Family satisfaction metrics for Autism Project services: While the value of Autism Project services is known anecdotally, their value should be captured by defining family satisfaction metrics that can be gathered from individuals and families through a satisfaction survey.
- Identification of appropriate outcome metrics.

“If you’ve seen one child with autism, you’ve seen one child with autism.”

MICHAEL L. PARSON
GOVERNOR



VALERIE HUHNS
DIVISION DIRECTOR

MARK STRINGER
DEPARTMENT DIRECTOR

PHONE: (573) 751-4054
FAX: (573) 751-9207

STATE OF MISSOURI
DEPARTMENT OF MENTAL HEALTH
DIVISION OF DEVELOPMENTAL
DISABILITIES

1706 EAST ELM STREET, P.O. BOX 687
JEFFERSON CITY, MISSOURI 65102

<http://dmh.mo.gov/dd/>

July 1, 2018

Dear Parent Advisory Council Members:

As Fiscal Year (FY) 2019 begins, it is already time to begin planning for FY 2020. Many of you have asked for guidance on how to make informed decisions about recommendations for your respective regions. Please consider the following as you make recommendations for service needs, providers, and funding allocations for FY 2020.

Maximize Efficiency and Effectiveness to Preserve Resource

General revenue funding (Missouri tax dollars) for the autism projects has grown from \$110,000 in FY 1991 (serving 20 counties in central Missouri) to \$8,750,648 in FY 2019 (serving all of Missouri). In order to improve efficiency and effectiveness, it is sometimes necessary to think creatively and find fresh approaches to doing things. Tax dollars belong to the people, and being a good steward of both the public dollar and the public trust is the cornerstone of accountability.

Stay Aligned with Federal and State Regulations and Division Priorities and Principles

The Division's guiding principles include fostering self-determination, supporting families, facilitating individualized services and supports, and promoting employment. The Medicaid Home and Community-Based Services (HCBS) federal rule has an uncanny resemblance to the Missouri Revised Statutes Section 633.220 and the Code of State Regulations 9 CSR 45-3.06 establishing the Autism Projects, i.e., to keep loved ones integrated within the home and community. The interwoven tenets within them promote quality of life for individuals with developmental disabilities. Therefore, when making your recommendations, be mindful of services designed to promote community integration, competitive employment, independence, and those that promote best practice. Moreover, remain cognizant of the need to promote individual choice by recommending an array of services and providers that can meet the unique needs of persons with autism and their families.

Analyze and Prioritize Service Needs

Gather input from families to identify service needs within your community and consider other factors as well. Remember that "most-used" services does not always translate into most efficient or effective or even the most desired. The services that families request might be evidence-based services (such as curriculum-based social skills, Applied Behavior Analysis, cognitive behavioral therapy, and parent training) or habilitative services (such as respite and music therapy). Research has established the effectiveness of evidence-based

interventions through outcome evaluations, but lack of research of a particular service does not mean it is not effective or valued. Families may seek habilitative interventions because they provide stress relief (such as respite) or have a therapeutic effect on the individual (such as music or art therapy).

Initiate discussion about the impact of current services on the Project's mission. For example, music therapy appears to serve a few individuals indefinitely, and some may not get the opportunity to participate due to a limited number of slots. It might be worthwhile to ask providers how they handle wait lists (first-come, first-served basis or via another system for prioritizing which individuals should be served first and for how long). There may be an optimal time during which an individual receives the most favorable outcome from the service. Conversely, an individual who has received the service for a long time may have already received its maximum benefit.

Address System Gaps to Optimize Benefit

Finally, identify and analyze system gaps (services that are not available and barriers to getting them). In Missouri, experts in the field contend that there is a shortage of behavioral services for individuals with aggressive and self-injurious behavior; transition services; and early intervention services (such as the Early Start Denver Model). Engage with providers, asking them to help identify the root cause for the barriers and develop a plan to fill the gaps according to your priorities.

For more information about the Missouri Autism Projects, please visit the Office of Autism Services' [website](#).

Thank you for your service and hard work to help advance the system of care for individuals with autism and their families. I respect and appreciate the work you do. Please feel free to contact me if you have any questions.

Sincerely,

Valerie Huhn
Director, Division of Developmental Disabilities

Appendix



Central Missouri Autism Project - \$2.0 Million

FY18 Easterseals Midwest Contract \$2,047,933

*FY18 Q1Q2 Amount			
Ranking	Service	Amount	Paid %
1	Family Resource Services	\$215,397	21%
2	Individual Parent Training	\$150,303	15%
3	Individual Community Inclusion	\$45,324	4%
	Other	\$83,861	8%
*Amount Utilized		\$494,886	48%

*Amount Paid \$1,023,967 100%			
FY18 Q1Q2 Units Delivered			
Ranking	Service	Units	Units %
1	Family Resource Services	12,422	34%
2	Individual Parent Training	8,668	24%
3	Group Social Skills	5,036	14%
	Other	9,897	27%
Total Units		36,023	100%

FY18 Q1Q2 Count of Individuals Served			
Ranking	Service	Count	Count %
1	Family Resource Services	570	81%
2	Family Resource Phone	319	45%
3	Individual Parent Training	198	28%
Total Unduplicated Count		708	NA

* *Amount Utilized* reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southeast Missouri Autism Project - \$1.6 Million



FY18 Easterseals Midwest Contract \$1,067,328

*FY18 Q1Q2 Amount				
Ranking	Service	Amount	Paid %	
1	Individual Parent Training	\$96,879	18%	
2	Individual Music Therapy	\$75,367	14%	
3	Family Resource Services	\$67,539	13%	
	Other	\$129,918	24%	
	*Amount Utilized	\$369,703	69%	

*Amount Paid \$533,664 100%				
FY18 Q1Q2 Units Delivered				
Ranking	Service	Units	Units %	
1	Individual Parent Training	5,587	20%	
2	Individual Music Therapy	5,315	19%	
3	Family Resource Services	3,895	14%	
	Other	13,441	48%	

Total Units 28,238 100%				
FY18 Q1Q2 Count of Individuals Served				
Ranking	Service	Count	Count %	
1	Family Resource Services	153	54%	
2	Family Resource Phone	129	46%	
3	Individual Music Therapy	107	38%	
	Total Unduplicated Count	282	NA	

* **Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southeast Missouri Autism Project – \$1.6 Million



FY18 SEMO Autism Center Contract

\$423,553

*FY18 Q1Q2 Amount			
Ranking	Service	Amount	Paid %
1	ABA Consultation & Intervention	\$64,620	31%
2	Individual Speech Language Path.	\$37,454	18%
3	Individual DBT-CBT Counseling	\$8,862	4%
	Other	\$44,680	21%
	*Amount Utilized	\$155,616	73%
	*Amount Paid	\$211,777	100%
FY18 Q1Q2 Units Delivered			
Ranking	Service	Units	Units %
1	ABA Consultation & Intervention	2,758	37%
2	ABA Reg. Behavior Technician	2,070	28%
3	Individual Speech Language Path.	1,836	25%
	Other	762	10%
	Total Units	7,426	100%
FY18 Q1Q2 Count of Individuals Served			
Ranking	Service	Count	Count %
1	SLP Individual	15	35%
2	ABA Consultation & Intervention	13	30%
2	Individual DBT-CBT Counseling	13	30%
3	ABA Reg. Behavior Technician	11	26%
	Total Unduplicated Count	43	NA

***Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southwest Missouri Autism Project – \$1.6 Million



FY18 Burrell Autism Center Contract **\$173,267**

*FY18 Q1Q2 Amount			
Ranking	Service	Amount	Paid %
1	Curriculum-based Social Skills	\$24,706	29%
2	ABA Reg. Behavior Technician	\$16,450	19%
3	Indiv. Independent Living Skills	\$15,381	18%
	Other	\$21,992	25%
	*Amount Utilized	\$78,529	91%

***Amount Paid** **\$86,634** **100%**

FY18 Q1Q2 Units Delivered			
Ranking	Service	Units	Units %
1	Curriculum-based Social Skills	2,052	32%
2	ABA Reg. Behavior Technician	1,880	29%
3	Indiv. Independent Living Skills	1,268	20%
	Other	1,208	19%
	Total Units	6,408	100%

FY18 Q1Q2 Count of Individuals Served			
Ranking	Service	Count	Count %
1	Curriculum-based Social Skills	27	36%
1	Family Resource Services	27	36%
2	ABA Reg. Behavior Technician	16	22%
2	Indiv. Independent Living Skills	16	22%
3	ABA Consultation & Intervention	15	20%
	Total Unduplicated Count	74	NA

***Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southwest Missouri Autism Project – 1.6 Million



FY18 Easterseals Midwest Contract

\$827,214

*FY18 Q1Q2 Amount			
Ranking	Service	Amount	Paid %
1	Individual Music Therapy	\$51,147	12%
2	Individual Respite	\$50,869	12%
3	Individual Parent Training	\$46,176	11%
	Other	\$105,017	25%
	*Amount Utilized	\$253,210	61%
	*Amount Paid	\$413,607	100%
FY18 Q1Q2 Units Delivered			
Ranking	Service	Units	Units %
1	Group Social Skills	4,784	22%
2	Individual Respite	4,732	22%
3	Individual Music Therapy	3,607	17%
	Other	8,164	38%
	Total Units	21,287	100%
FY18 Q1Q2 Count of Individuals Served			
Ranking	Service	Count	Count %
1	Group Social Skills	104	37%
2	Family Resource Services	96	34%
3	Individual Parent Training	44	16%
	Total Unduplicated Count	283	NA

***Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southwest Missouri Autism Project – \$1.6 Million



FY18 Judevine Center for Autism Contract

\$257,071

*FY18 Q1Q2 Amount			
Ranking	Service	Amount	Paid %
1	Individual Community Inclusion	\$28,031	22%
2	Group Social Skills	\$25,915	20%
3	Group Comm. Inclusion	\$17,413	14%
	Other	\$70,637	55%
	*Amount Utilized	\$141,996	110%
	*Amount Paid	\$128,536	100%
FY18 Q1Q2 Units Delivered			
Ranking	Service	Units	Units %
1	Group Social Skills	4,153	29%
2	Group Community Inclusion	2,456	17%
3	Individual Community Inclusion	2,292	16%
	Other	5,251	37%
	Total Units	14,152	100%
FY18 Q1Q2 Count of Individuals Served			
Ranking	Service	Count	Count %
1	Group Social Skills	52	46%
2	Family Resource Services	47	41%
3	Assessment	40	35%
	Total Unduplicated Count	114	NA

***Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Southwest Missouri Autism Project – \$1.6 Million



FY18 Leffen Center for Autism Contract \$125,405

*FY18 Q1Q2 Amount				
Ranking	Service	Amount	Paid %	
1	Indiv. Indep. Living Skills	\$12,737	20%	
2	ABA Consultation & Intervention	\$8,739	14%	
3	Nutrition Therapy	\$4,372	7%	
	Other	\$8,928	14%	
*Amount Utilized		\$34,775	55%	

*Amount Paid \$62,703 100%				
FY18 Q1Q2 Units Delivered				
Ranking	Service	Units	Units %	
1	Indiv. Indep. Living Skills	1,050	49%	
2	ABA Consultation & Intervention	373	18%	
3	ABA Reg. Behavior Technician	237	11%	
	Other	463	22%	
Total Units		2,123	100%	

FY18 Q1Q2 Count of Individuals Served				
Ranking	Service	Count	Count %	
1	Indiv. Indep. Living Skills	16	50%	
2	Family Resource Services	15	47%	
3	Nutrition Therapy	10	31%	
3	Assessment	10	31%	
3	ABA Consultation & Intervention	10	31%	
Total Unduplicated Count		32	NA	

*** Amount Utilized** reflects the grand total of units multiplied by respective service rates. Utilization amounts do not drive provider payments. Instead, the provider receives 1/12 of the contracted amount per month per the shared unit agreement. Additionally, providers may deliver activities, workshops, conferences, etc. which cannot be captured in CIMOR.

Providers Not Included in Meta-analysis: **\$802,148**

The selection criteria for the final draft included (1) substantial contract amounts and/or (2) substantially similar service menus. These providers operate outside one or both parameters.

Provider	FY18 Contract Amount
Diagnostic: Burrell Autism Center	\$106,672
<i>Burrell's participation on the Missouri Autism Guideline's Initiative's two best-practice guidelines helps promote diagnostic services subscribed to by MO's Autism Centers.</i>	
SE Autism Project: Blue Sky	\$63,107
<i>Blue Sky provides employment services under a Purchase of Service (POS) contract.</i>	
SW Autism Project: Abilities First	\$49,408
<i>Abilities First Art Inspired Academy provides inclusive group activities.</i>	
SW Autism Project: Arc of the Ozarks	\$39,701
<i>Arc of the Ozarks provides Saturday respite as well as recreational summer camps.</i>	
SW Autism Project: Preferred Family	\$124,453
<i>Preferred Family provides employment services.</i>	
Other: TC Comprehensive Continuous Care	\$215,689
<i>Comprehensive Continuous Care provides seamless care coordination.</i>	
Other: TC Rapid Response	\$103,118
<i>Rapid Response provides outreach and collaboration among stakeholder groups.</i>	
Other: Judevine NE Initiative	\$50,000
<i>Judevine NE Initiative provides ADOS assessments and autism-specific services in an underserved area of the state.</i>	
Other: Leffen ABA	\$50,000
<i>Leffen provides applied behavior analysis services to children in crisis.</i>	